



## IL7 Polyclonal Antibody

E91650

**Catalog Number:** E91650

**Amount:** 100ul

**Background:** IL-7 plays a key role in lymphopoiesis and lymphoid homeostasis (1). Stromal and epithelial cells within the bone marrow and thymus produce IL-7 (1). The primary targets of IL-7 are T cells, B cells, and dendritic cells (1). IL-7 is crucial for T cell development, the importance of which is underscored by the lack of T cells in both mice and humans that are deficient in IL-7/IL-7R signaling (1,2). While IL-7 appears to be required for B cell development in mice, the role of IL-7 in human B cell development is unclear (1,3). In addition to its effects on T cell lymphopoiesis, IL-7 promotes the maintenance and survival of naïve and memory  $\alpha\beta$  T cells, as well as  $\gamma\delta$  T cells (1). The IL-7 receptor is a heterodimer of the common  $\gamma$  chain,  $\gamma_c$ , and the IL-7-specific IL-7R $\alpha$  (1). IL-7 activates PI3K/Akt, Jak1/2, and Stat1, 3, and 5 (1).

**Species:** Rabbit

**Isotype:** IgG

**Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonyms:** IL-7;

**Immunogen:** Recombinant protein of human IL7

**Purification:** Affinity purification

**Reactivity:** H M R

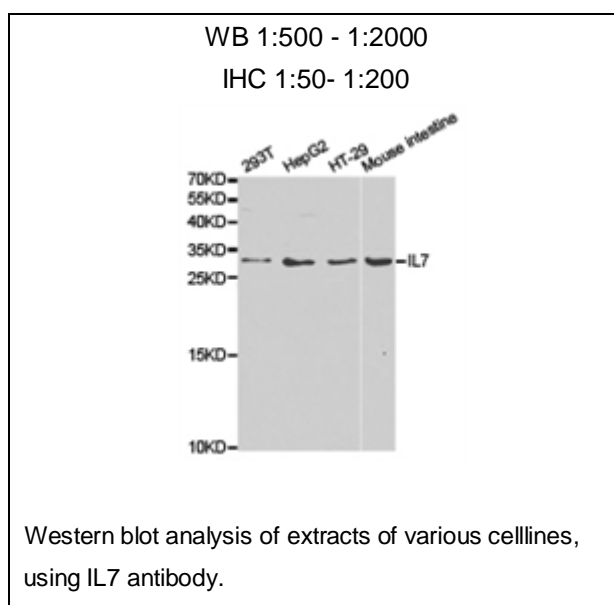
**Applications:** WB IHC

**Molecular Weight:** 20kDa

**Swiss-Prot No. :** P13232

**Gene ID:** 3574

**References:** 1. Rochman, Y. et al. (2009) Nat Rev Immunol 9, 480-90. 2. Ma, A. et al. (2006) Annu Rev Immunol 24, 657-79. 3. Parrish, Y.K. et al. (2009) J Immunol 182, 4255-66.



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